



Features

- .Small total capacitance:CT=1.3Pf(Max)
- .Low series resistance:rf ≤0.6Ω
- .Package : SOD-323



SOD-323

Application

- .VHF/UHF Tuner Band Switch



Maximum Ratings

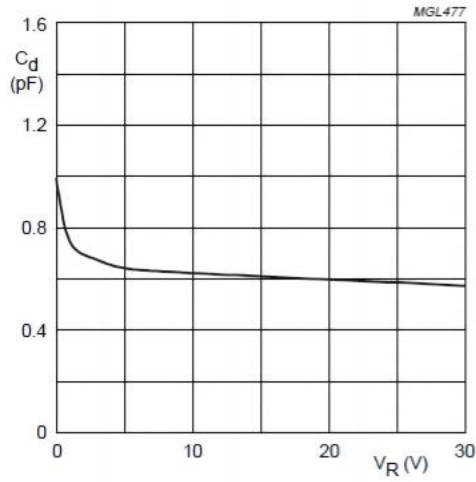
Parameter	Symbol	Min	Max	Unit
Assignment TemperatureRange	T _{amb}	-55	100	°C
Storage Temperature Range	T _{atg}	-55	125	°C
Maximum Reversevoltage	V _{RM}		30	V
Junction Temperature	T _j		125	°C
Forward Voltage(I _F =20mA)	V _F		1	V

Electrcal Charcteristics (Ta=25 unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =2mA			0.85	V
Diode Capacitance	C _T	V _R =6V		0.8	1.3	PF
Reverse Current	I _R	V _R =20V			10	nA
Forward Voltage	V _F	I _F =20mA			1	V
Serisesre Sistance	R _F	F=100MHz,I _F =10mA		0.6		Ω

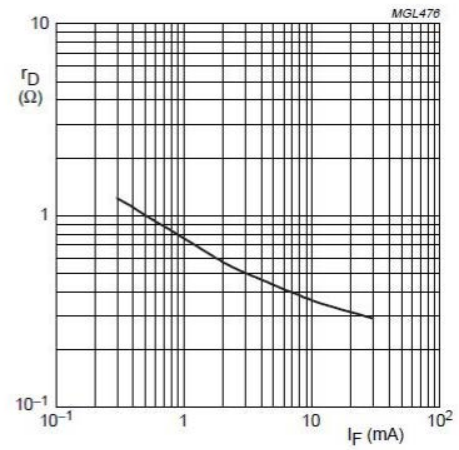


Typical Characteristics



$T_j = 25\text{ }^{\circ}\text{C}$; $f = 1\text{ MHz}$.

Diode capacitance as a function of reverse voltage; typical values.

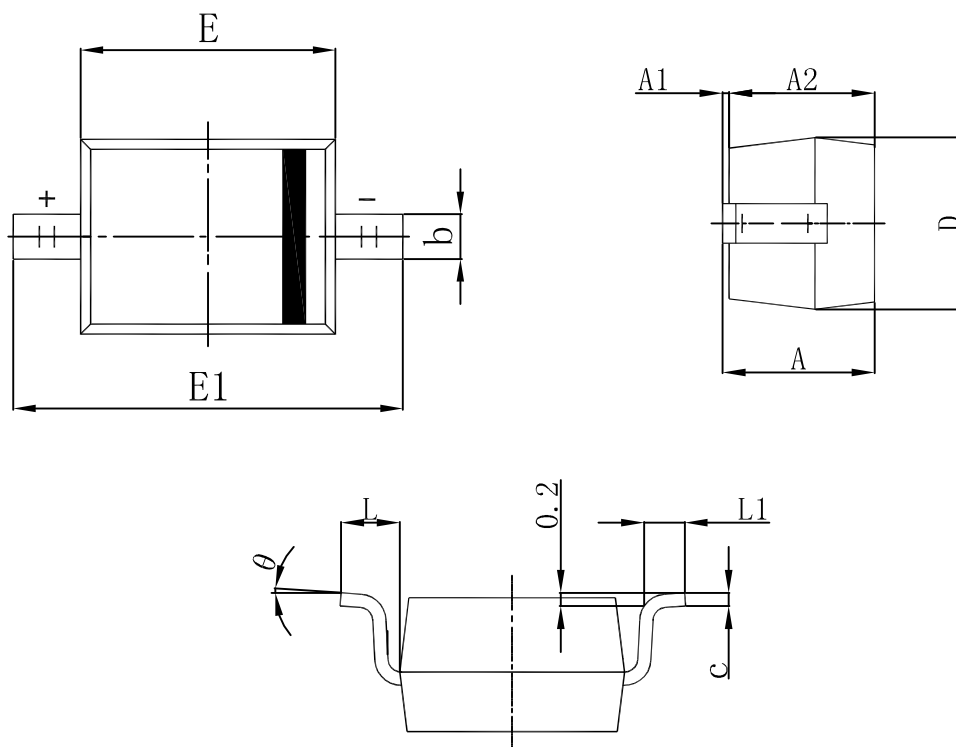


$T_j = 25\text{ }^{\circ}\text{C}$; $f = 100\text{ MHz}$.

Diode forward resistance as a function of forward current; typical values.



SOD-323 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A		1.100		0.043
A1	0.000	0.100	0.000	0.004
A2	0.800	1.000	0.031	0.039
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.200	1.400	0.047	0.055
E	1.600	1.800	0.063	0.071
E1	2.500	2.750	0.098	0.108
L	0.475 REF		0.019 REF	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°



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